

Operations in Scientific Notation

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Date_____ Period_____

Simplify. Write each answer in scientific notation.

1) $7.3 \cdot 10^3 + 3 \cdot 10^4$

2) $5.5 \cdot 10^{-1} + 9 \cdot 10^{-1}$

3) $3.88 \cdot 10^{-2} - 8 \cdot 10^{-2}$

4) $7.8 \cdot 10^4 - 3.16 \cdot 10^4$

5) $2.4 \cdot 10^3 + 2.98 \cdot 10^2$

6) $4.9 \cdot 10^{-2} - 4.1 \cdot 10^{-1}$

7) $2.6 \cdot 10^2 + 9.5 \cdot 10^{-3}$

8) $8.76 \cdot 10^{-1} - 1.6 \cdot 10^{-2}$

9) $5.04 \cdot 10^{-1} - 7.37 \cdot 10^{-3}$

10) $6.51 \cdot 10^{-4} + 4 \cdot 10^{-5}$

$$11) (6.8 \times 10^{-1})(3.12 \times 10^{-2})$$

$$12) (2 \times 10^6)(1.9 \times 10^{-3})$$

$$13) (2.2 \times 10^{-2})(6.3 \times 10^{-1})$$

$$14) (4.4 \times 10^{-4})(9.8 \times 10^{-1})$$

$$15) (7.31 \times 10^1)(6 \times 10^{-4})$$

$$16) (8.6 \times 10^3)(7.2 \times 10^0)$$

$$17) \frac{8 \times 10^{-4}}{3 \times 10^{-3}}$$

$$18) \frac{1.4 \times 10^{-1}}{4 \times 10^5}$$

$$19) \frac{9.88 \times 10^5}{5.3 \times 10^{-2}}$$

$$20) \frac{9.81 \times 10^6}{9.3 \times 10^{-2}}$$

$$21) \frac{4.61 \times 10^4}{1.4 \times 10^{-1}}$$

$$22) \frac{7.24 \times 10^2}{6.2 \times 10^{-4}}$$